

Product Search Data Sheet

Please download the latest datasheet of PRG18BC150MM1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRG18BC150MM1RB

Note: This datasheet may be out of date.

PRG18BC150MM1RB











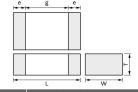
Applications

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
Specific Applications	Consumer equipment,Industrial		
	Equipment,Medical equipment [GHTF		
	A/B]		
	Please refer to Our Website and		
	specifications, etc. for information about		
	the performance, functions, quality,		
	management, and safety required for		
	the above applications, and use		
	Products after confirming the		
	performance and reliability of the actual		
	Product.		



Appearance & Shape





Part Number	Dimensions (mm)				
Part Nulliber	L	W	Т	е	g
PRG03_RL	0.60±0.05	0.30±0.05	0.30±0.05	0.10 to 0.20	-
PRG15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.40	-
PRG18_RB	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	-
PRG21_RA	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 min.
PRG21_RK	2.0±0.2	1.25±0.2	1.25±0.2	0.2 min.	0.5 min.



Packaging Information

Packaging	Specifications	Standard Packing Quantity
RB	180mm Paper Tape	4000



Features

1. Rapid operation to protect the circuit in an overcurrent condition abnormality such as a short circuit.

By removing the overcurrent condition, these products automatically return to the initial condition and can be used repeatedly.

- 2. Suitable for countermeasure to short circuit test in safety standard
- 3. Stable resistance after operation due to ceramic PTC
- 4. Similar size (0603 size) is possible due to the large capacity for electric power
- 5. Possible to use these products as current limiting resistors with overcurrent protection functions
- 6. SMD type is helpful for miniaturizing circuits because of its small size and light weight
- 7. UL/cULcertified product.(UL1434, File No. E137188)

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Specifications

Max. Voltage	30V		
Hold Current(25°C)	64mA		
Hold Current (2)	27mA		
Measure Condition of Hold Current (2)	(at +85°C)		
Trip Current(25°C)	135mA		
Trip Current(2)	190mA		
Measure Condition of Trip Current(2)	(at -20°C)		
Max. Current	2500mA		
Resistance (25°C)	15Ω		
Resistance Value Tolerance (at 25°C)	±20%		
Curie Point(typ.)	90℃		
Operating Temperature Range	-20°C to 85°C		
Size Code (in mm)	1.6x0.8mm		
Size Code (in inch)	0.6x0.3inch		
Shape	SMD		
Mass	0.004g		
MSL	1		

- Glossary of PTC thermistors
- > Related documents (UL, RoHS, etc.)

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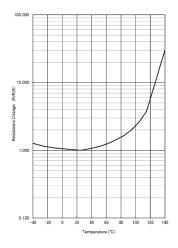
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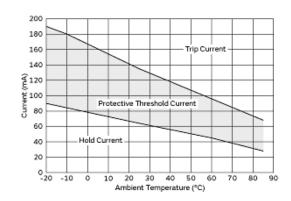
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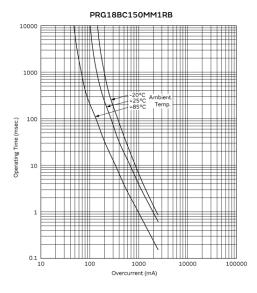
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Resistance-Temperature Charac.



Operating Time (Typical Curve)

Protective Threshold Current Range

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